

Title (en)
METHOD OF MANUFACTURING POROUS ANODIZED ALUMINA FILM

Title (de)
VERFAHREN ZUR HERSTELLUNG PORÖSER, ANODISierter ALUMINIUMFILME

Title (fr)
PROCEDE DE FABRICATION D'UN FILM POREUX D'ALUMINE ANODISE

Publication
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Application
EP 97935888 A 19970826

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Abstract (en)
A plurality of recesses having the same interval and array as those of pores of an alumina film, which are to be formed in anodizing, are formed on a smooth surface of an aluminum plate in advance, and then, the aluminum plate is anodized. With this process, the roundness of the pores of the porous anodized alumina film and the uniformity of pore size are improved, and the pores are regularly arrayed at a predetermined interval. The recesses are formed by pressing a substrate having a plurality of projections on its surface against the aluminum plate surface to be anodized.
<IMAGE> <IMAGE>

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Cited by
DE10154756C1; CN113733774A; EP2299452A4; AU2001256323B2; EP1797579A4; EP1884578A1; US7100263B2; WO03004253A1; WO0183198A1; US6476409B2; US6784007B2; EP1976007B1; US6610463B1; US6924023B2; US6878634B2; US6214738B1; US6541386B2; US7538042B2; US7066234B2; USRE43694E; USRE44830E; USRE46606E; WO2008014977A3

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